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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/770,271 02/02/2004		Stephen J. Horner	TRW(BCS)6746	9599	
75	90 07/15/2004	EXAMINER			
TAROLLI, SUNDHEIM, COVELL, & TUMMINO L.L.P.			LEDYNH, BOT L		
1111 LEADER	BLDG., 526 SUPERIOR	R AVENUE	10000	D 4 04Th 3 11 0 40Th	
CLEVELAND, OH 44114-1400			ART UNIT	PAPER NUMBER	
			2862		

DATE MAILED: 07/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

			Application	No.	Applicant(s)			
			10/770,271		HORNER ET AL.			
Office	Action Summary		Examiner		Art Unit			
*****			Bot LeDynh		2862	pr		
The MAIL Period for Reply	ING DATE of this commu	nication appe	ears on the co	over sheet with the c	orrespondence add	Iress		
THE MAILING C - Extensions of time n after SIX (6) MONTH - If the period for reply - If NO period for reply - Failure to reply within Any reply received b	STATUTORY PERIOD F DATE OF THIS COMMUN nay be available under the provision: 4S from the mailing date of this comming by specified above is less than thirty (in yis specified above, the maximum is not the set or extended period for reply the Office later than three months adjustment. See 37 CFR 1.704(b).	ICATION. s of 37 CFR 1.136 munication. 30) days, a reply w tatutory period will y will, by statute, ca	6(a). In no event, within the statutor Il apply and will ex cause the applicat	however, may a reply be tim y minimum of thirty (30) days pire SIX (6) MONTHS from ion to become ABANDONEI	nely filed s will be considered timely. the mailing date of this cor D (35 U.S.C. § 133).	nmunication.		
Status								
1) Responsiv	ve to communication(s) file	ed on						
2a) ☐ This action	, ,	2b)⊠ This a		-final.				
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of Clair	ms							
4a) Of the 5) ☐ Claim(s) _ 6) ☑ Claim(s) <u>1</u> 7) ☑ Claim(s) <u>2</u>	is/are pending in the above claim(s) is/a is/are allowed is/are allowed is/are rejected side abjected to are subject to restrict.	re withdrawr	n from consi	·				
9)☐ The specifi	cation is objected to by th	e Examiner.						
10)∐ The drawin))☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
	ay not request that any obje				* *			
	nt drawing sheet(s) including							
11) The oath o	r declaration is objected to	by the Exar	miner. Note	the attached Office	Action or form PTC	D-152.		
Priority under 35 U	.S.C. § 119							
a) All b) Cert 2. Cert 3. Cop	gment is made of a claim Some * c) None of: ified copies of the priority ified copies of the priority ies of the certified copies ication from the Internatio ched detailed Office actio	documents h documents h of the priority nal Bureau (l	have been re have been re y documents (PCT Rule 1	eceived. eceived in Applications have been receivee 7.2(a)).	on No d in this National S	itage		
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Attachment(s)					Primary Ex			
1) Notice of Reference			4)	Interview Summary (PTO-413)			
	son's Patent Drawing Review (P ure Statement(s) (PTO-1449 or		51	Paper No(s)/Mail Dat Notice of Informal Pa		152)		
Paper No(s)/Mail Da	ate <u>2/2/04</u> .	0.00.00)	The second secon	Other:	The state of the s	,		

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 5 and 6 rejected under 35 U.S.C. 102(e) as being anticipated by Ito et al. (US 20030177649). Ito et al. discloses the same invention as claimed: A sensor assembly comprising: a code wheel (12, 12a, 13, 13a) rotatable with a vehicle steering wheel; a mechanism for indicating the number of rotations of said code wheel, said mechanism including, a rotatable driven component (16) rotatable by said code wheel; said driven component being driven a predetermined portion of 360 for one revolution of said code wheel (see paragraphs 0055-0059); a magnet (17) mounted on said driven component for rotation with said driven component and providing magnetic flux field; and a sensing device (19, see claim 4) for sensing said magnetic flux field, said magnetic flux field varies relative to said sensing device as said driven component is rotated by said code wheel, said sensing device being operable to provide an output

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driving 16).

signal which varies with variations in said magnetic flux field (see Figs. 3A-B); fist and

second index elements are any two teeth of 12a.

Claims 7 and 9 are rejected under 35 U.S.C. 102(b) as being anticipated by Spellman (US 6448763). Spellman discloses the same invention as claimed: A sensor assembly comprising: a rotatable component (16); a magnet (22) disposed on and rotatable with said rotatable component, said magnet having an arcuate configuration with an inner end portion of said magnet disposed closer to an axis about which said rotatable component rotates than an outer end portion of said magnet (see Figs.1-2); and a sensing device (42) which senses a magnetic flux ... said magnet; rotatable member (12) having a drive element (surface of 12 or other inherent elements for

Allowable Subject Matter

Claims 2-4 and 8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bot LeDynh whose telephone number is 5712722231. The examiner can normally be reached on Maxiflex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, N. Le can be reached on 5712722235. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

BL/ 2004

Bot LeDynh, JD, PhD, DA Primary Examiner

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